



INTRODUCTION

The U.S. Geological Survey is engaged in a broad program of field studies designed to present the geologic framework of the United States. This program is being carried out in the form of a series of geologic maps of the United States, which are being published in a series of 1:250,000-scale maps. The first of these maps is the Price 30' x 60' quadrangle, which is being published in a series of 1:250,000-scale maps. The second of these maps is the Price 15' x 30' quadrangle, which is being published in a series of 1:250,000-scale maps. The third of these maps is the Price 7.5' x 15' quadrangle, which is being published in a series of 1:250,000-scale maps. The fourth of these maps is the Price 3.75' x 7.5' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifth of these maps is the Price 1.875' x 3.75' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixth of these maps is the Price 0.9375' x 1.875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventh of these maps is the Price 0.46875' x 0.9375' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighth of these maps is the Price 0.234375' x 0.46875' quadrangle, which is being published in a series of 1:250,000-scale maps. The ninth of these maps is the Price 0.1171875' x 0.234375' quadrangle, which is being published in a series of 1:250,000-scale maps. The tenth of these maps is the Price 0.05859375' x 0.1171875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eleventh of these maps is the Price 0.029296875' x 0.05859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twelfth of these maps is the Price 0.0146484375' x 0.029296875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirteenth of these maps is the Price 0.00732421875' x 0.0146484375' quadrangle, which is being published in a series of 1:250,000-scale maps. The fourteenth of these maps is the Price 0.003662109375' x 0.00732421875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifteenth of these maps is the Price 0.0018310546875' x 0.003662109375' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixteenth of these maps is the Price 0.00091552734375' x 0.0018310546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventeenth of these maps is the Price 0.000457763671875' x 0.00091552734375' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighteenth of these maps is the Price 0.0002288818359375' x 0.000457763671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The nineteenth of these maps is the Price 0.00011444091796875' x 0.0002288818359375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twentieth of these maps is the Price 0.000057220458984375' x 0.00011444091796875' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-first of these maps is the Price 0.0000286102294921875' x 0.000057220458984375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-second of these maps is the Price 0.00001430511474609375' x 0.0000286102294921875' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-third of these maps is the Price 0.000007152557373046875' x 0.00001430511474609375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-fourth of these maps is the Price 0.0000035762786865234375' x 0.000007152557373046875' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-fifth of these maps is the Price 0.00000178813934326171875' x 0.0000035762786865234375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-sixth of these maps is the Price 0.000000894069671630859375' x 0.00000178813934326171875' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-seventh of these maps is the Price 0.0000004470348358154296875' x 0.000000894069671630859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-eighth of these maps is the Price 0.00000022351741790771484375' x 0.0000004470348358154296875' quadrangle, which is being published in a series of 1:250,000-scale maps. The twenty-ninth of these maps is the Price 0.000000111758708953857421875' x 0.00000022351741790771484375' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirtieth of these maps is the Price 0.00000005587935447692609375' x 0.000000111758708953857421875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-first of these maps is the Price 0.000000027939677238463046875' x 0.00000005587935447692609375' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-second of these maps is the Price 0.0000000139698386192315234375' x 0.000000027939677238463046875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-third of these maps is the Price 0.00000000698491930961576171875' x 0.0000000139698386192315234375' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-fourth of these maps is the Price 0.000000003492459654807880859375' x 0.00000000698491930961576171875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-fifth of these maps is the Price 0.0000000017462298274039404296875' x 0.000000003492459654807880859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-sixth of these maps is the Price 0.00000000087311491370197021484375' x 0.0000000017462298274039404296875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-seventh of these maps is the Price 0.000000000436557456850985107421875' x 0.00000000087311491370197021484375' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-eighth of these maps is the Price 0.0000000002182787284254925537109375' x 0.000000000436557456850985107421875' quadrangle, which is being published in a series of 1:250,000-scale maps. The thirty-ninth of these maps is the Price 0.00000000010913936421274627686546875' x 0.0000000002182787284254925537109375' quadrangle, which is being published in a series of 1:250,000-scale maps. The fortieth of these maps is the Price 0.000000000054569682106373138432734375' x 0.00000000010913936421274627686546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-first of these maps is the Price 0.0000000000272848410531865692171671875' x 0.000000000054569682106373138432734375' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-second of these maps is the Price 0.0000000000136424205265932846085890859375' x 0.0000000000272848410531865692171671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-third of these maps is the Price 0.0000000000068212102632966423042924546875' x 0.0000000000136424205265932846085890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-fourth of these maps is the Price 0.000000000003410605131648321152146122734375' x 0.0000000000068212102632966423042924546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-fifth of these maps is the Price 0.0000000000017053025658241576073061113671875' x 0.000000000003410605131648321152146122734375' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-sixth of these maps is the Price 0.00000000000085265128291238035352755890859375' x 0.0000000000017053025658241576073061113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-seventh of these maps is the Price 0.0000000000004263256414561901767789294546875' x 0.00000000000085265128291238035352755890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-eighth of these maps is the Price 0.0000000000002131628207280950883889647313671875' x 0.0000000000004263256414561901767789294546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The forty-ninth of these maps is the Price 0.0000000000001065814103640475441944823671671875' x 0.0000000000002131628207280950883889647313671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fiftieth of these maps is the Price 0.0000000000000532907051820237720972411813671875' x 0.0000000000001065814103640475441944823671671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-first of these maps is the Price 0.000000000000026645352591011854861805890859375' x 0.0000000000000532907051820237720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-second of these maps is the Price 0.00000000000001332267629550542742540294546875' x 0.000000000000026645352591011854861805890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-third of these maps is the Price 0.0000000000000066613381477526117122720972411813671875' x 0.00000000000001332267629550542742540294546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-fourth of these maps is the Price 0.0000000000000033306690738762558561113671875' x 0.0000000000000066613381477526117122720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-fifth of these maps is the Price 0.000000000000001665334536938127828055890859375' x 0.0000000000000033306690738762558561113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-sixth of these maps is the Price 0.0000000000000008326672684690639142540294546875' x 0.000000000000001665334536938127828055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-seventh of these maps is the Price 0.00000000000000041633363423453195722720972411813671875' x 0.0000000000000008326672684690639142540294546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-eighth of these maps is the Price 0.00000000000000020816681711726788361113671875' x 0.00000000000000041633363423453195722720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The fifty-ninth of these maps is the Price 0.0000000000000001040834085586339417555890859375' x 0.00000000000000020816681711726788361113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixtieth of these maps is the Price 0.000000000000000052041704279316970877720972411813671875' x 0.0000000000000001040834085586339417555890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-first of these maps is the Price 0.00000000000000002602085213965848538890859375' x 0.000000000000000052041704279316970877720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-second of these maps is the Price 0.000000000000000013010426069829242694546875' x 0.00000000000000002602085213965848538890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-third of these maps is the Price 0.0000000000000000065052130349121232720972411813671875' x 0.000000000000000013010426069829242694546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-fourth of these maps is the Price 0.000000000000000003252606517456061113671875' x 0.0000000000000000065052130349121232720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-fifth of these maps is the Price 0.00000000000000000162630325872803055890859375' x 0.000000000000000003252606517456061113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-sixth of these maps is the Price 0.0000000000000000008131516293640152720972411813671875' x 0.00000000000000000162630325872803055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-seventh of these maps is the Price 0.0000000000000000004065758146820761113671875' x 0.0000000000000000008131516293640152720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-eighth of these maps is the Price 0.000000000000000000203287907341038055890859375' x 0.0000000000000000004065758146820761113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The sixty-ninth of these maps is the Price 0.00000000000000000010164395367051902720972411813671875' x 0.000000000000000000203287907341038055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventieth of these maps is the Price 0.0000000000000000000508219768352951113671875' x 0.00000000000000000010164395367051902720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-first of these maps is the Price 0.0000000000000000000254109884176477555890859375' x 0.0000000000000000000508219768352951113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-second of these maps is the Price 0.00000000000000000001270549420882387720972411813671875' x 0.0000000000000000000254109884176477555890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-third of these maps is the Price 0.00000000000000000000635274710441193890859375' x 0.00000000000000000001270549420882387720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-fourth of these maps is the Price 0.0000000000000000000031763735522059694546875' x 0.00000000000000000000635274710441193890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-fifth of these maps is the Price 0.00000000000000000000158818677612549720972411813671875' x 0.0000000000000000000031763735522059694546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-sixth of these maps is the Price 0.00000000000000000000079409338812723890859375' x 0.00000000000000000000158818677612549720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-seventh of these maps is the Price 0.0000000000000000000003970466940636194546875' x 0.00000000000000000000079409338812723890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-eighth of these maps is the Price 0.00000000000000000000019852334703180720972411813671875' x 0.0000000000000000000003970466940636194546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The seventy-ninth of these maps is the Price 0.00000000000000000000009926167351590355890859375' x 0.00000000000000000000019852334703180720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eightieth of these maps is the Price 0.0000000000000000000000496308367579522720972411813671875' x 0.00000000000000000000009926167351590355890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-first of these maps is the Price 0.0000000000000000000000248154183789761113671875' x 0.0000000000000000000000496308367579522720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-second of these maps is the Price 0.000000000000000000000012407709189488055890859375' x 0.0000000000000000000000248154183789761113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-third of these maps is the Price 0.000000000000000000000006203854594724402720972411813671875' x 0.000000000000000000000012407709189488055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-fourth of these maps is the Price 0.0000000000000000000000031019272973622059694546875' x 0.000000000000000000000006203854594724402720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-fifth of these maps is the Price 0.00000000000000000000000155096364861122720972411813671875' x 0.0000000000000000000000031019272973622059694546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-sixth of these maps is the Price 0.00000000000000000000000077548182430561113671875' x 0.00000000000000000000000155096364861122720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-seventh of these maps is the Price 0.0000000000000000000000003877409121528055890859375' x 0.00000000000000000000000077548182430561113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-eighth of these maps is the Price 0.000000000000000000000000193870456076402720972411813671875' x 0.0000000000000000000000003877409121528055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The eighty-ninth of these maps is the Price 0.0000000000000000000000000969352280382059694546875' x 0.000000000000000000000000193870456076402720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The ninetieth of these maps is the Price 0.000000000000000000000000048467614019122720972411813671875' x 0.0000000000000000000000000969352280382059694546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundredth of these maps is the Price 0.000000000000000000000000024233807009561113671875' x 0.000000000000000000000000048467614019122720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and first of these maps is the Price 0.000000000000000000000000012116903504778055890859375' x 0.000000000000000000000000024233807009561113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and second of these maps is the Price 0.0000000000000000000000000060584517523890859375' x 0.000000000000000000000000012116903504778055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and third of these maps is the Price 0.000000000000000000000000003029225876194546875' x 0.0000000000000000000000000060584517523890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and fourth of these maps is the Price 0.00000000000000000000000000151461293809720972411813671875' x 0.000000000000000000000000003029225876194546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and fifth of these maps is the Price 0.0000000000000000000000000007573064690488055890859375' x 0.00000000000000000000000000151461293809720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and sixth of these maps is the Price 0.000000000000000000000000000378653234524402720972411813671875' x 0.0000000000000000000000000007573064690488055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and seventh of these maps is the Price 0.0000000000000000000000000001893266172622059694546875' x 0.000000000000000000000000000378653234524402720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and eighth of these maps is the Price 0.000000000000000000000000000094663308631122720972411813671875' x 0.0000000000000000000000000001893266172622059694546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and ninth of these maps is the Price 0.000000000000000000000000000047331654315561113671875' x 0.000000000000000000000000000094663308631122720972411813671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and tenth of these maps is the Price 0.00000000000000000000000000002366582715778055890859375' x 0.000000000000000000000000000047331654315561113671875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and eleventh of these maps is the Price 0.000000000000000000000000000011832913578890859375' x 0.00000000000000000000000000002366582715778055890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and twelfth of these maps is the Price 0.0000000000000000000000000000059164567894546875' x 0.000000000000000000000000000011832913578890859375' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and thirteenth of these maps is the Price 0.000000000000000000000000000002958228394720972411813671875' x 0.0000000000000000000000000000059164567894546875' quadrangle, which is being published in a series of 1:250,000-scale maps. The one hundred and fourteenth of these maps is the Price 0.00000000000000000000000000000147